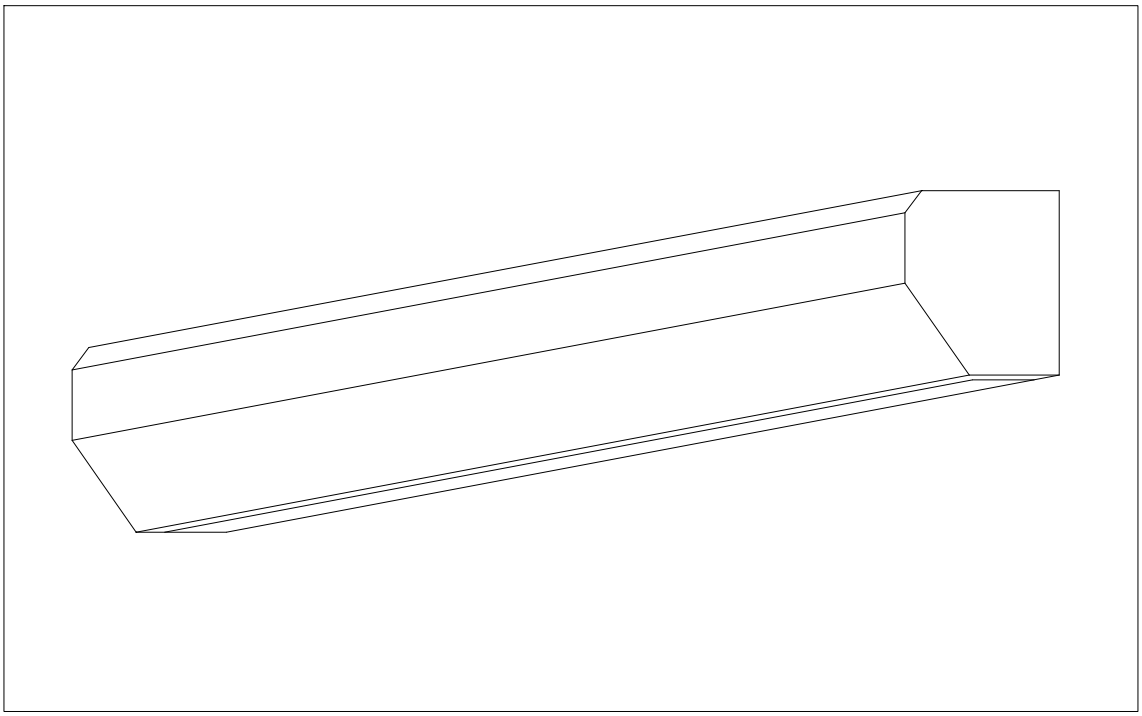
USER'S GUIDE

AIR CURTAINS

FM-1206SA1 FM-1206SC/Y
FM-1209SA1 FM-1209SC/Y
FM-1210SA1 FM-1210SC/Y
FM-1212SA1 FM-1212SC/Y
FM-1215SA1 FM-1215SC/Y
FM-1218SA1 FM-1218SC/Y
FM-1220SA1 FM-1220SC/Y



Thanks for purchasing this Air Curtain,
Please read these instructions carefully before use.

1、PRODUCT INTRODUCTION

As one of the new top-class products for modern decoration, air curtain is also matched with the air-conditioner. And it is installed at the entrances of supermarket, theater, meeting room, hotel, office room, work shop and storeroom to prevent the dust, mosquito and warm air, and so on.

2、MODEL INTRODUCTION

FM - 1209 $S^{A1}_{C/Y}$

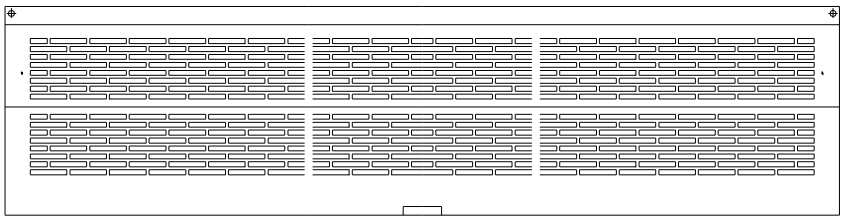
- Code of improved design
- 1/10 length of air curtain (cm)
- Diameter of the fan wheel (cm)
- Code of air curtain

Note: code of improved design of:

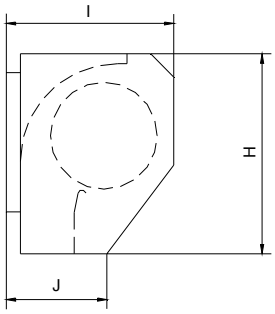
S: pure metal type; A1: switch type; C/Y: infrared remote control type

3、IDENTIFICATION & INSTALLATION DIMENSIONS (mm)

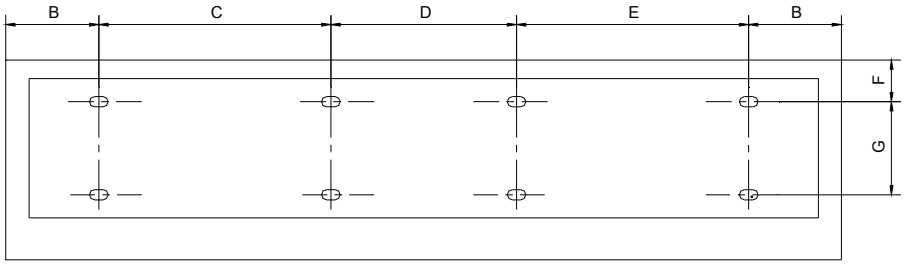
FRONT



SIZE



BACK

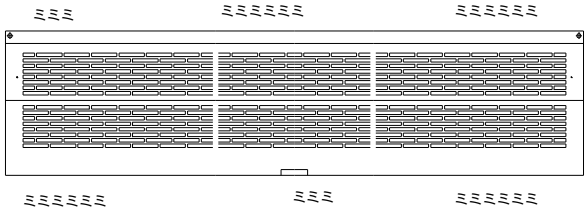
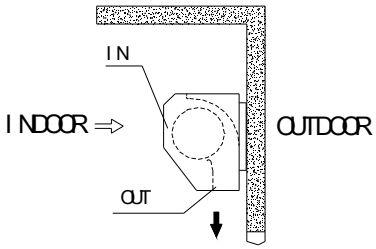
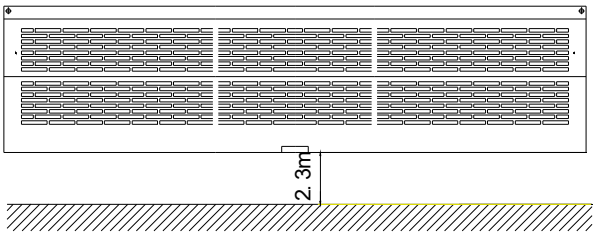
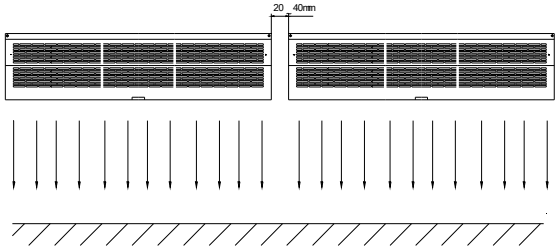


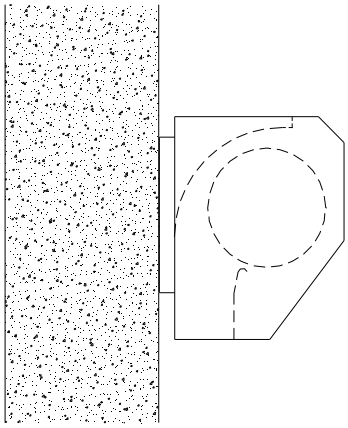
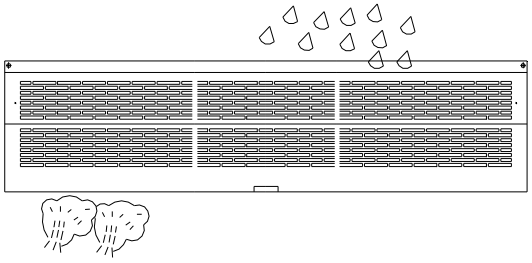
MODEL	A	B	C	D	E	F	G	H	I	J
FM-1206S $^{A1}_{C/Y}$	600	30	---	550	---	50	100	215	180	105
FM-1209S $^{A1}_{C/Y}$	900		290	560	---					
FM-1210S $^{A1}_{C/Y}$	1000		290	560	---					
FM-1212S $^{A1}_{C/Y}$	1210		445	270	445					
FM-1215S $^{A1}_{C/Y}$	1500		569	270	569					
FM-1218S $^{A1}_{C/Y}$	1800		736	270	736					

FM-1220S $^{A1}_{C/Y}$	2000		844	270	844					

4、INSTALLATION PRECAUTION

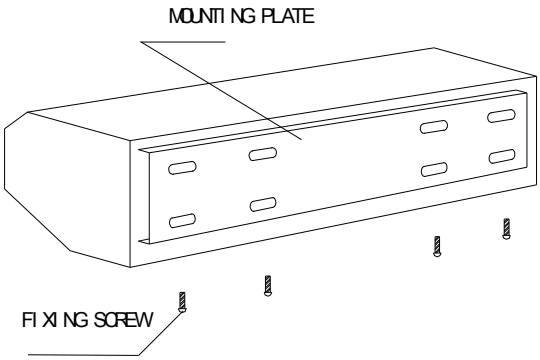
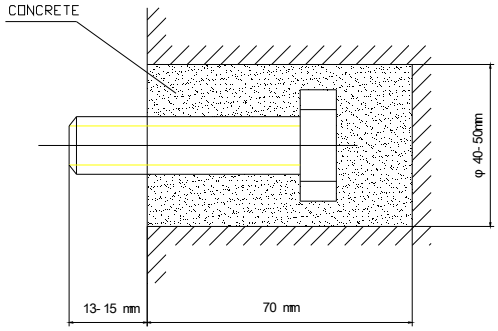
Ensure to follow these directions for installation：

4.1 Please install the unit in a sturdy place to avoid any shaking, vibration or noise. The unit should be securely fixed. 	4.2 Please install the unit inside the room. 
4.3 Don't install the unit too low, no less than 2.3 meters from the ground. 	4.4 When the entrance is wider than the unit, it is recommended to install two or more units in parallel. In this case, provide 20-40mm gaps between the units. 

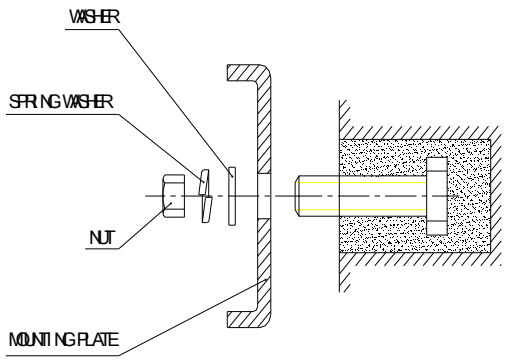
4.5 Don’t allow gaps between the unit and the wall. When hanging it from the ceiling, use the enclosed ceiling braskets. 	4.6 Don’t install the unit in a place where it is splashed by water, exposed to excessive steam, explosive gas or corrosive gas. 

5、INSTALLATION

A、Installing against a concrete wall:

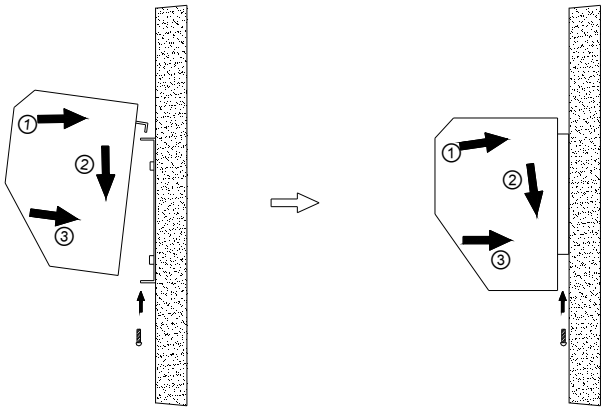
5.1.1 Remove the mounting plate. Undo the fixed screws on the back of main body to remove the mounting plate. 	5.1.2 Fix the bolts in the proper position (Decide the position with the mounting plate.) 

5.1.3 Fit the mounting plate



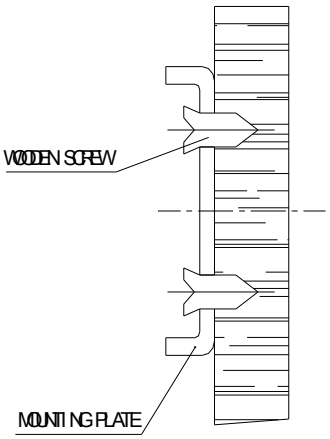
5.1.4 Install the main body

Set the main body onto the upper end of the mounting plate and clamp it as shown.

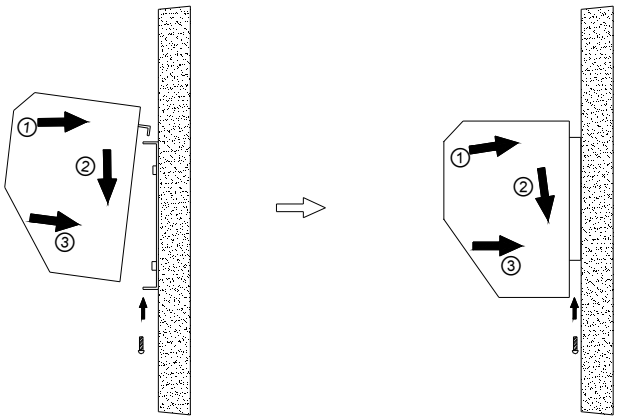


B、Installing on a wooden or dry wall

5.2.1 Fix the mounting plate in the proper positions with tapping screw.

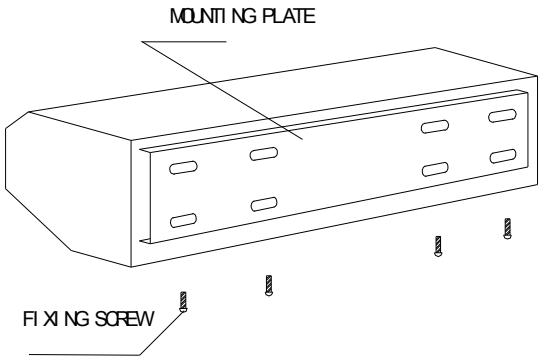


5.2.2 Proceed as per step 4 above

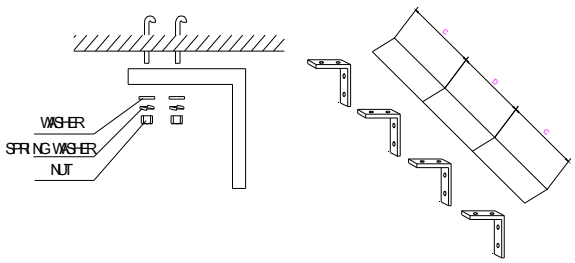


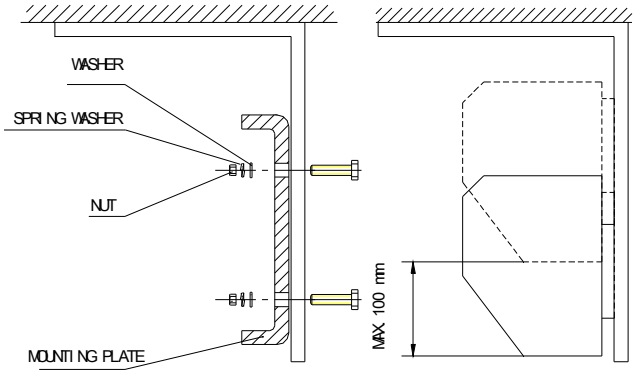
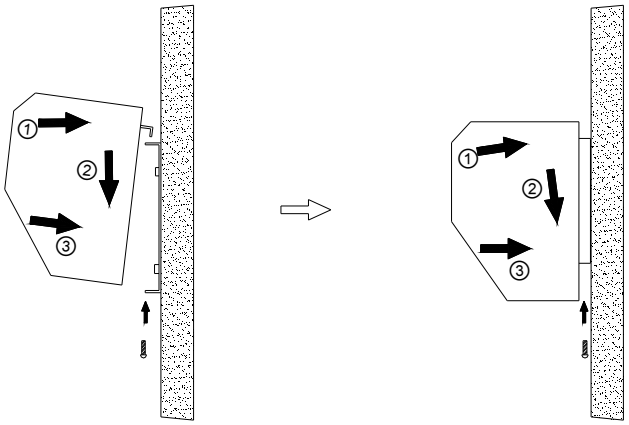
C、Hanging from the ceiling

5.3.1 Remove the mounting plate from main body (Same as step 5.1.1)

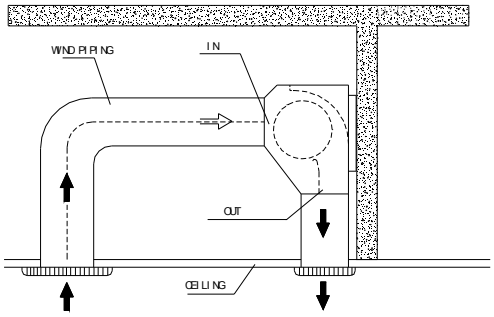


5.3.2 Fixing ceiling brackets as Fig.



5.3.3 Set the mounting plate on the ceiling brackets and ensure a secure fixing with use of the bolts. Using the ceiling brackets to hang from the ceiling, the position of mounting plate can be adjusted in the limit of 100mm.  	5.3.4 Do the same as step A to install the main body. 

D、For above ceiling

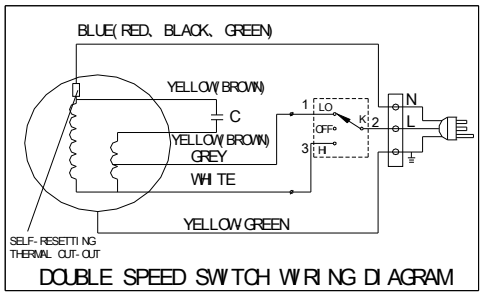
5.4.1Fix the air curtain as in the procedure for installing on the concrete wall. 5.4.2 Then pipe as per Fig.	

6、TECHNICAL INFORMATION

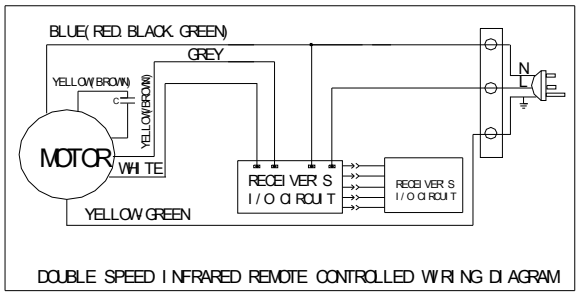
MODEL	Diam of wheel (mm)	Volt. (V ~)	Freq (Hz)	Max input power (W)		Max air speed (m/s)		Noise (dB)		Air volume (m^3/h)		Net weight (Kg)	Dimension (mm)
				Hi	Lo	Hi	Lo	Hi	Lo	Hi	Lo		
FM-1206S $^{A1}_{C/Y}$	115	220	50	120	115	11	8	55	53	950	700	10	600×180×215
FM-1209S $^{A1}_{C/Y}$				140	135			57	55	1150	900	12	900×180×215
FM-1210S $^{A1}_{C/Y}$				230	195			58	56	1750	1200	15	1000×180×215
FM-1212S $^{A1}_{C/Y}$				230	195			58	56	1750	1200	15	1210×180×215
FM-1215S $^{A1}_{C/Y}$				280	225			59	57	2180	1500	18	1500×180×215
FM-1218S $^{A1}_{C/Y}$				330	250			60	58	2300	1670	25	1800×180×215

FM-1220S A1 C/Y				400	270			61	59	2500	1800	28	2000×180×215

7、ELECTRICAL CONNECTION



DOUBLE SPEED SWITCH WIRING DIAGRAM



DOUBLE SPEED INFRARED REMOTE CONTROLLED WIRING DIAGRAM

8、OPERATION

8.1 Turn on the power.

8.2 Select the suitable speed：High[Hi]、Low[Lo]

8.3 According to use adjust the grate to obtain the best effect.

9、CAUTIONS

a)、Use the unit at the rated voltage and frequency indicated on the nameplate.

b)、Disconnect power source before unit servicing.

c)、Routine maintenance must be done every year.

d)、Never use petrol, benzene, thinners or any other such chemical for cleaning the unit.

e)、Don’t allow water or any liquid to enter the motor.

f)、When power supply comes from a socket, the plug must be in accordance with IEC335-1. When the power cord is connected directly to power ensure a appropriate circuit breaker is installed to comply with local regulations.